

SYSTEM **P**LANNING & **A**NALYSIS **R**eport

S - 49

T.H. 10
EGRET BOULEVARD TO UNIVERSITY AVENUE
IN COON RAPIDS

S.P. 0214-01

MAY, 1971

PREPARED BY
OFFICE OF SYSTEM PLANNING



**MINNESOTA
DEPARTMENT
OF HIGHWAYS**

DEPARTMENT HIGHWAY

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: May 21, 1971

FROM : Morris Gildemeister, Chief
Statewide Planning Section

SUBJECT: TH 10, Egret Boulevard to University Avenue in Coon Rapids
SP 0214-01
System Planning & Analysis Report S-49

The Statewide Planning Section transmits this report in response to N. R. Osterby's July 22, 1970 request for the 1985 ADT, DHV and HCA DT for the project location shown on the map on page 2.

The estimated 1985 ADT volumes are shown on the map on page 3.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4 and 5:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCA DT

Segment 13 with a 1985 ADT of 20600 has the highest ADT on the project section of TH 10. Parallel to this future segment on existing TH 10, the 1970 ADT is 11800 vehicles.

The basic data, method and assumptions used to prepare this report are presented on page 6.

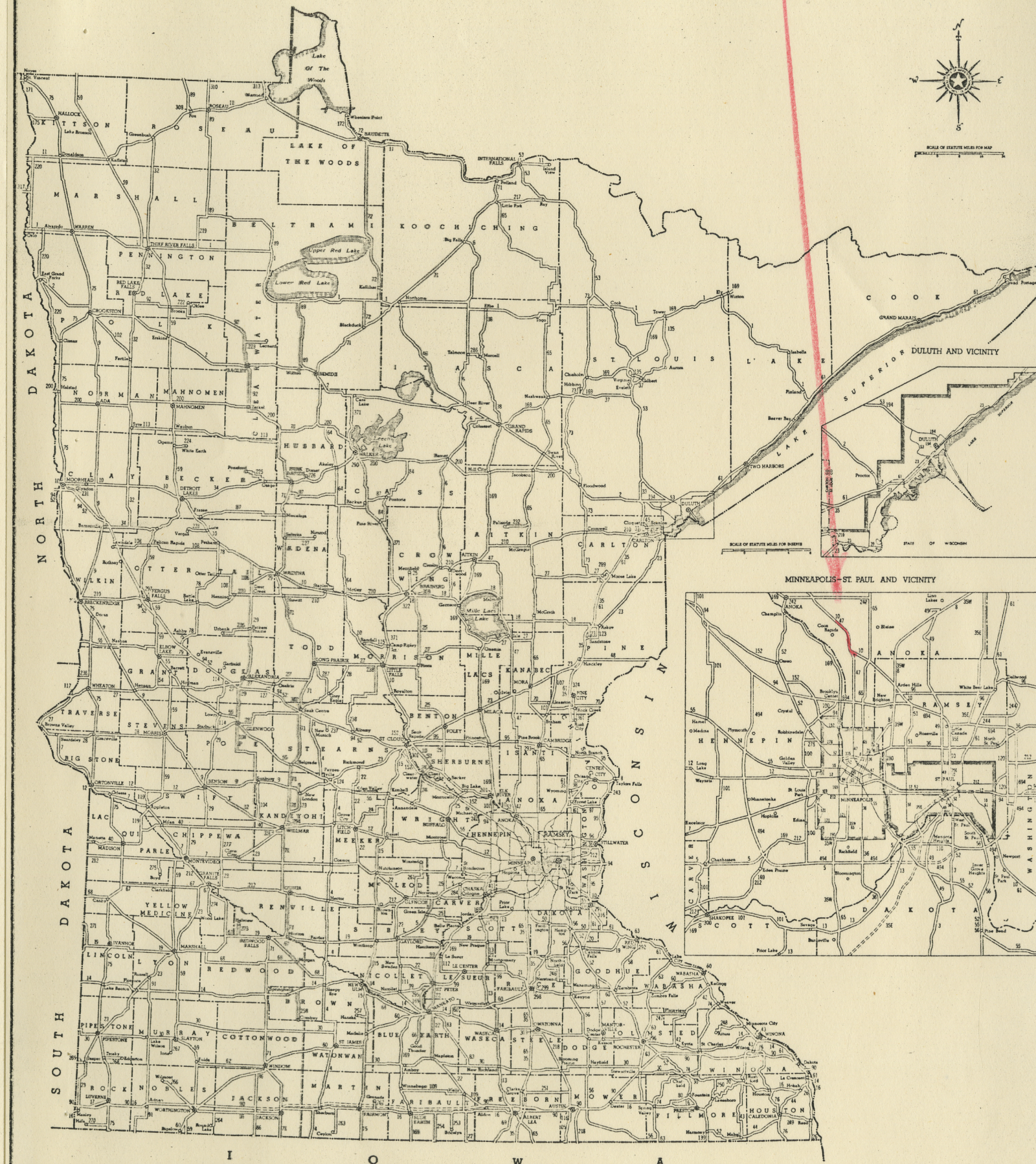
Morris Gildemeister

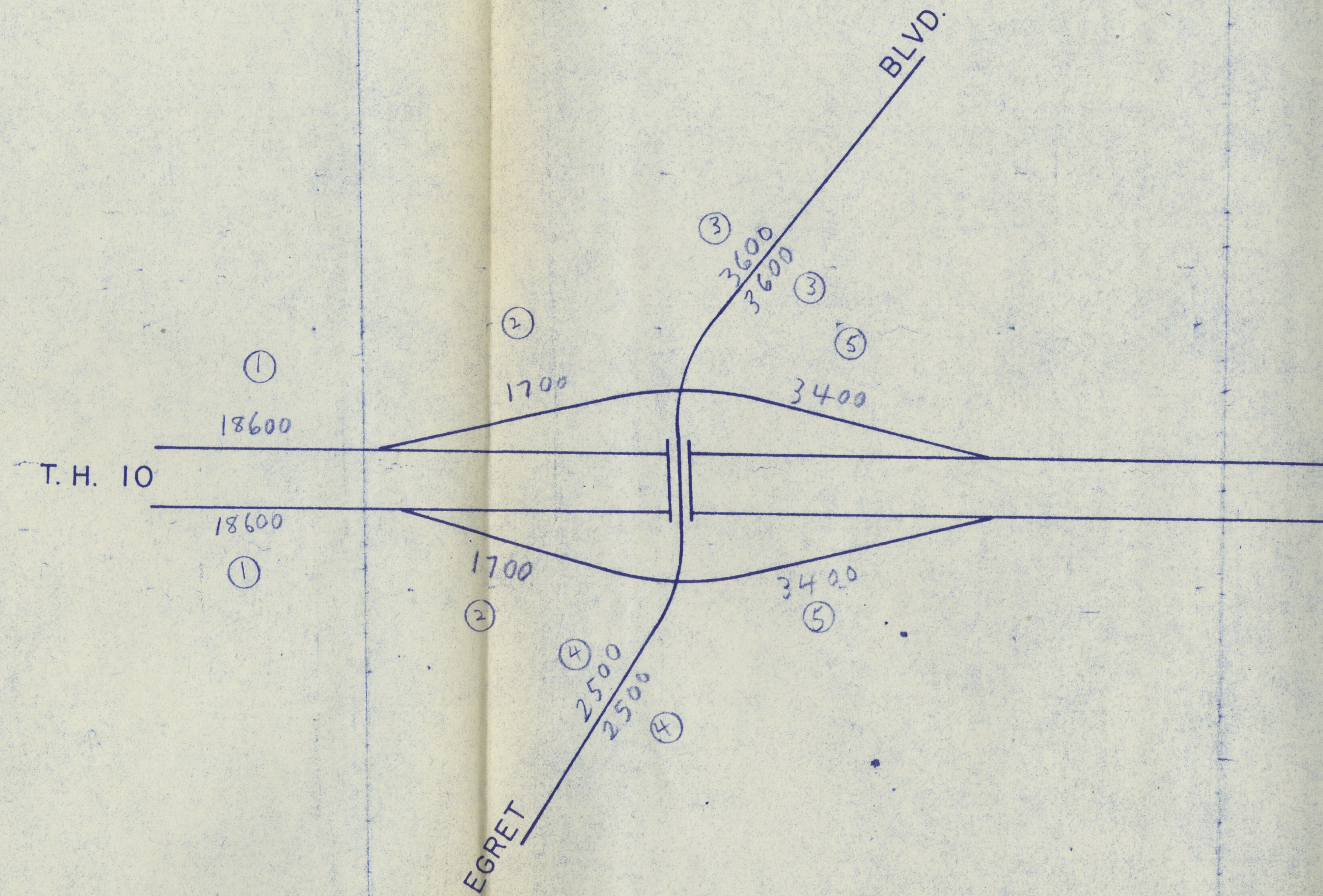
Morris Gildemeister, Chief
Statewide Planning Section

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STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Project Location
SP 0214-01





TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 2

FOR

T.H. 10 S.P. 0214-01 LENGTH - MILES
 COUNTY Anoka LOCATION Egret Boulevard to University Avenue
in Coon Rapids

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS
 DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	17666	1614	3424	2375	3235	1614	19287	7838	11449	11587	8133
1	401	51	108	77	106	56	456	240	216	334	232
2	243	8	23	17	24	9	259	63	196	45	35
3	44	9	11	7	5	4	40	6	34	12	8
4	60	3	5	4	2	2	59	2	57	13	0
5	101	3	4	3	2	2	100	2	93	24	19
6	85	12	25	17	26	13	99	49	50	85	50
TOTAL ADT	18600	1700	3600	2500	3400	1700	20300	8200	12100	12100	8500
TOTAL H. COMM. ADT	934	86	176	125	165	86	1013	362	651	513	367
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 2

FOR

T.H. 10 S.P. 0214-01 LENGTH - MILES
 COUNTY Anoka LOCATION Egret Boulevard to University Avenue
in Coon Rapids

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 13 AS
 DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13									
0	3836	19582									
1	108	454									
2	12	231									
3	4	42									
4	4	66									
5	8	116									
6	28	109									
TOTAL ADT	4000	20600									
TOTAL H. COMM. ADT	164	1018									
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
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Basic Data, Method and Assumptions

The 1985 ADT and DHV are presented in SPAR M-29 transmitted August 4, 1970. This report assumes a completed Interstate 94.

The total heavy commercial ADT agrees with the System 14 truck study. Appropriate vehicle classification counts were basic data for distributing the total HCADT by vehicle type on this project location.

1990 volumes for the report may be obtained by expanding 1985 ADT by a factor of 1.15.